

PS939-45 Behavioural and Data Science Project

26/27

Department

Psychology

Level

Taught Postgraduate Level

Module leader

Thomas Hills

Credit value

45

Module duration

20 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

The aim of the project is to provide students with the opportunity to investigate and carry out novel research at the intersection of behavioural and data science.

Module aims

Students will work within one of the departments' labs, designing and running empirical work that addresses a current research question. By working within an existing lab, students have the support of experts in the field and should be able to produce research worthy of publication.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Project meeting at end January with ongoing guidance and supervision January to July. During this time students will obtain ethical approval, carrying out the project, meet with supervisor as required, write up the project. Students will work within one of the departments' labs, designing

and running empirical work that addresses a current research question. The choice of topic is to be agreed between the student and a member of staff acting as supervisor.

Learning outcomes

By the end of the module, students should be able to:

- Demonstrate competence at formulating a valid research question and designing a quantitative investigation
- Demonstrate competence at conducting an empirical investigation
- Demonstrate competence at analysing and interpreting the results
- Demonstrate competence at visualizing and interpreting data
- Demonstrate competence at writing up the project in a professional scientific format

Research element

Projects must be:

1. Empirical (that is an experiment, computer program, survey or observational study);
2. Physically safe and ethically acceptable;
3. Practical in terms of demands on time, equipment, number of subjects required and laboratory space. The choice of topic is to be agreed between the student and a member of staff acting as supervisor. Supervisors will be drawn from a pool of staff in psychology and other relevant departments. Projects may be co-supervised. To assist students in selecting topics and supervisors, a list of topics which members of staff have a particular interest in supervising will be posted.

Subject specific skills

novel research in the area of psychology and data science formulating a valid research question and designing an empirical investigation

Transferable skills

Formulating research question,
Designing and running empirical work,
Analysis and interpretation of results,
Writing up the project in a standard format suitable to publication

Study

Study time

Type	Required
Lectures	1 session of 1 hour (0%)
Project supervision	4 sessions of 1 hour (1%)
Private study	345 hours (99%)
Total	350 hours

Private study description

completions of ethics, Data collection and analysis and project report as well as additional supervisions as required dependent on topic and supervisor.

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A

	Weighting	Study time	Eligible for self-certification
Assessment component			
Written Project Report	100%	100 hours	No
Max 20,000 words. The project must be targeted at a specific journal; the journal guidelines help determine the actual target length.			

Reassessment component is the same

Feedback on assessment

Feedback will be provided online

Availability

Courses

This module is Core for:

- Year 1 of TPSS-C803 Postgraduate Taught Behavioural and Data Science